

## Engineer's Report

Date: March 7<sup>th</sup>, 2016  
Re: Current Project Status  
Harrisburg, South Dakota

To: Mayor and City Council  
From: Stockwell Engineers, Inc.

### **Project:** *Comprehensive Master Drainage Plan*

Description: Prepare drainage analysis for basins "Tiger", "Coyote" and "Honey Suckle".

Progress Report: LEGENDARY ESTATES BASIN – Quote came in to modify home at 401 N. Perry. We have briefed City Staff, and will proceed by meeting with Kelly Nielson to discuss the next step.

TIGER BASIN – We have developed a cost estimate for the Regional Detention Facility and have a break-down of the estimated assessment. Letters to each affected property owner will go out by the end of the month to notify them of the pending assessment.

COYOTE/HONEYSUCKLE: Existing conditions model developed.

### **Project:** *Water Tower*

Description: This project is to paint the existing water tower in the Industrial Park.

Progress Report: All contracts have been fully executed. Shop drawings have been submitted and approved. Prior to work commencing, a preconstruction meeting will be conducted. Maguire Iron Inc. stated that the project will most likely be completed in the late summer. The project deadline remains to be October 31, 2016.

### **Project:** *Update Design Standards*

Description: Review and update the current design standards and subdivision regulations.

Progress Report: A final review of design standards and subdivision regulations is complete. Final documents will be forwarded to city staff for adoption.

### **Project:** *Central Park – Phase 1*

Description: The city is proposing improvements to Central Park over the course of several years. A master plan has been developed along with conceptual plans for construction. Phase 1 of construction includes general grading and is expected to be complete during the 2016 season.

**Progress Report:** The overall grading plan for the park area has been completed as well as the drainage analysis. Cost estimates for the project have been submitted to the city for their review and construction plans are underway. Final construction documents will be completed in the coming weeks.

**Project:** *Capital Improvements Plan*

**Description:** This project includes evaluating the current infrastructure, making recommendations for improvements and assisting in the development of a capital improvements plan.

**Progress Report:** A final draft of the CIP was delivered to city staff and council for review. Comments will be incorporated into the final document. A final plan is expected next week.

**Project:** *Harvest Acres Addition Street Improvements*

**Description:** The project includes street repairs in Harvest Acres Addition south of Walnut Street. Two street in Greyhawk Addition have been added to the project; Greyhawk Court and Linden Avenue from Ash Grove Street south.

**Progress Report:** All utility's and paving have been completed for Schedule A and B. All that remains is some soil preparation, seeding, fertilizing and mulching which will be completed next spring when weather permits. As-Builds are complete and will be provided to the City.

**Project:** *Wastewater Treatment Facility Upgrade*

**Description:** The project includes Assisting with land acquisition for a future wastewater treatment facility.

**Progress Report:** Two land owners have expressed interest in the possibility of selling land for the utilization of an expanded treatment system for Harrisburg. This process has been slow since the one of the land owners is a farmer in the area and wanted to be done with the harvest and fall field work prior to sitting down with City staff. Now that the weather has changed, I anticipate the discussion to continue.

Once we have two or preferably three parcels to pursue, we would proceed with a purchase agreement contingent upon due diligence. Each parcel will have varying concerns that will be identified early in the process to ensure the site is worthy of the proposed use.

**Project: SD Highway 115 Water Main Project**

Description: This project consists of design, preparation of plans, and providing construction administration for water main improvements on SD highway 115 272<sup>nd</sup> Street to Willow Street.

Progress Report: Design of the two miles of water main is ongoing. Lincoln County Rural Water provided us with the sizes and locations of their services which the City of Harrisburg will be taking over or connecting to the new water main between 271<sup>st</sup> and 273<sup>rd</sup> Streets. In addition to the water main improvements, we are designing five sanitary sewer crossings of Highway 115 in City of Harrisburg growth areas. LCRW wants to combine the plans into one set with a Schedule A and a Schedule B differentiating between LCRW's portion of the project and the City of Harrisburg's portion of the project. LCRW portion of the plans will include the connection of the water main to existing distribution systems at the north end of the project. Any additional improvements that the City of Harrisburg wants to add to the project, including the sanitary crossings, will be incorporated into the joint plan set with LCRW but will not be eligible for reimbursement from the DOT.

Lincoln County Rural Water is currently preparing the agreement between the City of Harrisburg and LCRW to allow for DOT funding to be utilized for the Harrisburg portion of the project. Stockwell Engineers has been coordinating with the DOT, DGR and LCRW to ensure that all parties are aware of the potential funding situation. Construction plans are to be to the DOT for review by April 4, 2016.

Action Needed: – Council to authorize staff to negotiate agreement with North Lincoln County Rural Water.

**Project: Columbia Street Improvements**

Description: This project includes street and utility improvements along Columbia Street north of Willow. The future Columbia Street will provide access to central park and adjacent property to the west.

Progress Report: This project is currently being scoped. Once complete, design agreements will be presented to city staff for review.

**Project: Devitt Regional Detention Facility**

Description: A regional detention facility is being planned on the Devitt property near the intersection of Columbia and Willow Street to improve drainage in the area. The facility is expected to be constructed this summer.

Progress Report: Conceptual designs have been reviewed with city staff as well as adjacent property owners. Stockwell staff are working with Van Buskirk Companies to finalize conceptual

designs. A final concept will be presented to city staff for comment. Once complete, design agreements to construct the pond will be developed.

**Project: Willow Recreational Trail**

**Description:** A recreational trail is planned to be constructed along the north side of Willow Street from Minnesota Avenue to Prairie Avenue. State grants were awarded toward the project which is expected to be constructed during the 2017 construction season.

**Progress Report:** Construction drawings were submitted to the DOT by HRGreen for review in November of 2015. Comments were recently received and are being implemented into the final plans. The plans require ROW and easement acquisitions from adjacent property owners. Stockwell staff will be assisting with the negotiations. An agreement to provide services is being developed for the council to consider and will be presented to city staff.

**Project: Miscellaneous Plan Reviews**

**Description:** Stockwell provides miscellaneous plan reviews as part of the force account agreement with the city. Typical reviews include plans for subdivisions, plats, and site plans.

**Progress Report:** Recent reviews include DEP's in the Greyhawk Addition. Comments were forwarded to the developer for them to include in their final plans. An approved set of plans is expected in the coming weeks.

**Project: Coyote Lift Station**

**Description:** With the Muth property expected to develop in the near future, upgrades to the Coyote lift station will be necessary to support the additional sewer needs. This project includes upgrading the lift stations power supply and pumping capacities.

**Progress Report:** This project is currently being scoped. Once complete, design agreements will be presented to city staff for review.

**Note:** *Weekly staff meetings are being scheduled with the city's Public Works Department to discuss upcoming projects. Meetings will be held at Stockwell's office.*